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NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 19	APOLLIT offering free connect time in April 2003
NEWS 28	Mar 20	EVENTLINE will be removed from STN
NEWS 29	Mar 24	PATDPAFULL now available on STN
NEWS 30	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 31	Apr 11	Display formats in DGENE enhanced
NEWS 32	Apr 14	MEDLINE Reload
NEWS 33	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 34	Apr 21	Indexing from 1947 to 1956 being added to records in CA/CAPLUS
NEWS 35	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 36	Apr 28	RDISCLOSURE now available on STN
NEWS 37	May 05	Pharmacokinetic information and systematic chemical names added to PHAR

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT

5/12/2003

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                MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
                AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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FILE 'HOME' ENTERED AT 14:10:37 ON 12 MAY 2003

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                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   0.21       0.21

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FILE COVERS 1907 - 12 May 2003  VOL 138 ISS 20
FILE LAST UPDATED: 11 May 2003  (20030511/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.


=> s zinc ixide
        478767 ZINC
             1 IXIDE
L1           0 ZINC IXIDE
                 (ZINC(W)IXIDE)
```

09807750

```
=> s zinc oxide
        478767 ZINC
       1376437 OXIDE
L2       67132 ZINC OXIDE
                (ZINC(W)OXIDE)

=> s l2 and micro particle
        114638 MICRO
        566089 PARTICLE
           250 MICRO PARTICLE
                 (MICRO(W)PARTICLE)
L3           2 L2 AND MICRO PARTICLE

=> d l3 1-2 ibib hitstr abs

L3   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         1994:326862  CAPLUS
DOCUMENT NUMBER:          120:326862
TITLE:                    Manufacture of metal oxide micro-particles
INVENTOR(S):              Torimoto, Yoshiaki
PATENT ASSIGNEE(S):       Kao Corp, Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 8 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     JP 05319808        A2   19931203       JP 1992-154471   19920520
PRIORITY APPLN. INFO.:                   JP 1992-154471      19920520
AB   A metal salt is heated and the vapors are directed into a reaction chamber
     where the vapors are decompd. to form metal oxide nucleus.  The metal
     oxide nucleus are then coated with .gtoreq.1 layer of metal oxides to
     produce the title particles.  The coated particles are useful in
     electronic materials , catalyst, cosmetics, and paints.

L3   ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         1994:311027  CAPLUS
DOCUMENT NUMBER:          120:311027
TITLE:                    Lamp reflectors in art museums
INVENTOR(S):              Maeda, Junichiro; Senaba, Susumu; Shimomura, Susumu
PATENT ASSIGNEE(S):       Yokohama Kiko Kk, Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 4 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     JP 06012906        A2   19940121       JP 1992-57976    19920316
PRIORITY APPLN. INFO.:                   JP 1992-57976       19920316
AB   The reflector is coated with an interference multilayer for absorbing UV
```

and IR lights in < 385nm and > 780nm, resp. The reflector gives a UV- and IR-suppressed illumination having an improved color rendering.

```
=>
=> s l2 and particle
        566089 PARTICLE
L4        4435 L2 AND PARTICLE

=> s l4 and silicilic anhydride
             3 SILICILIC
        179988 ANHYDRIDE
             0 SILICILIC ANHYDRIDE
                 (SILICILIC(W)ANHYDRIDE)
L5           0 L4 AND SILICILIC ANHYDRIDE

=> s l4 silicone
MISSING OPERATOR L4 SILICONE
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l4 and silicone
         84132 SILICONE
L6         187 L4 AND SILICONE

=> s l6 and silicic anhydride
         24964 SILICIC
        179988 ANHYDRIDE
           149 SILICIC ANHYDRIDE
                 (SILICIC(W)ANHYDRIDE)
L7           0 L6 AND SILICIC ANHYDRIDE

=> s l6 and powder
        429744 POWDER
L8          57 L6 AND POWDER

=> s l8 and oil or water
        650697 OIL
       2020095 WATER
L9     2020108 L8 AND OIL OR WATER

=> s l8 and dispersing agemt?
         49224 DISPERSING
             1 AGEMT?
             0 DISPERSING AGEMT?
                 (DISPERSING(W)AGEMT?)
L10          0 L8 AND DISPERSING AGEMT?

=> s l8 and dispersing agent?
         49224 DISPERSING
       1259827 AGENT?
         24677 DISPERSING AGENT?
                 (DISPERSING(W)AGENT?)
L11          3 L8 AND DISPERSING AGENT?

=> d l11 1-3 ibib hitstr abs
```

L11 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:612039 CAPLUS
DOCUMENT NUMBER: 133:227574
TITLE: Inorganic **powder** compositions containing polyether-modified silicones and cosmetics containing them
INVENTOR(S): Nakano, Akihiro
PATENT ASSIGNEE(S): Jo Cosmetics Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239137	A2	20000905	JP 1999-42092	19990219

PRIORITY APPLN. INFO.: JP 1999-42092 19990219

AB The compns. contain inorg. **powder** and Me3SiO(SiMe2O)m[SiMe[(CH2)aO(C2H4O)b(C3H6O)cR]O]SiMe3 (I; a = 1-5; b = 1-6; c = 0-10; m = 40-500; n = 1-60; R = H, C1-5 alkyl). Also claimed are skin color-controlling agents, spot and freckle-covering agents, and sunscreens contg. the compns. The compns. are storage stable, i.e. resistant to agglomeration, pptn. of **powder**, and discoloration. TTO-S 2 (TiO2 fine **particle**), X 22-4444 (m = 50-70, n = 2-5, a = 3, b = 2-5, c = 0 in I), and KF 995 (decamethylcyclopentasiloxane) were mixed to give transparent **powder** with viscosity 256 mPa.cntdot.s. Viscosity of the **powder** was slightly changed after 6 mo.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:803793 CAPLUS
DOCUMENT NUMBER: 128:39405
TITLE: Fine ultraviolet screening particles, process for preparing the same, and cosmetic preparation
INVENTOR(S): Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi
PATENT ASSIGNEE(S): Kao Corporation, Japan; Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745097	A1	19971204	WO 1997-JP1788	19970527
W: AU, CN, JP, US, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9727933	A1	19980105	AU 1997-27933	19970527
CN 1226157	A	19990818	CN 1997-196847	19970527
EP 953336	A1	19991103	EP 1997-922194	19970527

R: DE, FR, GB

JP 3391802	B2	20030331	JP 1997-542023	19970527
US 6197282	B1	20010306	US 1998-194199	19981120

PRIORITY APPLN. INFO.: JP 1996-160541 A 19960530
WO 1997-JP1788 W 19970527

AB The invention relates to a process for prepg. a dispersion of fine UV screening **particle**, characterized by conducting milling and/or high-pressure dispersion of a mixed starting soln. comprising at least one type of inorg. particles having an UV screening capability, at least one **silicone** dispersant selected among modified and reactive silicones, and a **silicone** oil; fine UV screening particles prepd. by the above process or a dispersion thereof; a process for prepg. a **powder** of fine UV screening particles; and a cosmetic prepn. comprising a dispersion or **powder** of fine UV screening particles. The above dispersion is characterized by comprising fine UV screening particles comprising at least one type of inorg. particles having an UV screening capability, the surfaces of the particles being coated with at least one **silicone** dispersant selected among modified and reactive silicones, and at least part of the particles being dispersed in a **silicone** oil in the form of an agglomerate thereof.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:494492 CAPLUS
DOCUMENT NUMBER: 115:94492
TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings
INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezdei, Magdolna
PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.
SOURCE: Hung. Teljes, 12 pp.
CODEN: HUXXBU
DOCUMENT TYPE: Patent
LANGUAGE: Hungarian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO2, or other oxides) 14-50, filler (e.g., CaCO3 or milled dolamite) 30-70, inorg. or org. acid or anhydride or acetic NH4 salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)3, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical **powder** contained K Me **silicone**-contg. K silicate (**silicone** content 12.5%) 17.7, lithopone 45.3, CaCO3 32.2, phthalic acid 1.5, and Al(OH)3 3.3%.

```
=>
=> s l2 and particle
         566089 PARTICLE
L4         4435 L2 AND PARTICLE

=> s l4 and silicilic anhydride
              3 SILICILIC
         179988 ANHYDRIDE
              0 SILICILIC ANHYDRIDE
                  (SILICILIC(W)ANHYDRIDE)
L5            0 L4 AND SILICILIC ANHYDRIDE

=> s l4 silicone
MISSING OPERATOR L4 SILICONE
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l4 and silicone
          84132 SILICONE
L6          187 L4 AND SILICONE

=> s l6 and silicic anhydride
          24964 SILICIC
         179988 ANHYDRIDE
            149 SILICIC ANHYDRIDE
                  (SILICIC(W)ANHYDRIDE)
L7            0 L6 AND SILICIC ANHYDRIDE

=> s l6 and powder
         429744 POWDER
L8           57 L6 AND POWDER

=> s l8 and oil or water
         650697 OIL
        2020095 WATER
L9      2020108 L8 AND OIL OR WATER

=> s l8 and dispersing agemt?
          49224 DISPERSING
              1 AGEMT?
              0 DISPERSING AGEMT?
                  (DISPERSING(W)AGEMT?)
L10           0 L8 AND DISPERSING AGEMT?

=> s l8 and dispersing agent?
          49224 DISPERSING
        1259827 AGENT?
          24677 DISPERSING AGENT?
                  (DISPERSING(W)AGENT?)
L11           3 L8 AND DISPERSING AGENT?

=> d l11 1-3 ibib hitstr abs

L11  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:         2000:612039  CAPLUS
DOCUMENT NUMBER:          133:227574
```

TITLE: Inorganic **powder** compositions containing polyether-modified silicones and cosmetics containing them
INVENTOR(S): Nakano, Akihiro
PATENT ASSIGNEE(S): Jo Cosmetics Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000239137	A2	20000905	JP 1999-42092	19990219

PRIORITY APPLN. INFO.: JP 1999-42092 19990219

AB The compns. contain inorg. **powder** and Me3SiO(SiMe2O)m[SiMe[(CH2)aO(C2H4O)b(C3H6O)cR]O]SiMe3 (I; a = 1-5; b = 1-6; c = 0-10; m = 40-500; n = 1-60; R = H, C1-5 alkyl). Also claimed are skin color-controlling agents, spot and freckle-covering agents, and sunscreens contg. the compns. The compns. are storage stable, i.e. resistant to agglomeration, pptn. of **powder**, and discoloration. TTO-S 2 (TiO2 fine **particle**), X 22-4444 (m = 50-70, n = 2-5, a = 3, b = 2-5, c = 0 in I), and KF 995 (decamethylcyclopentasiloxane) were mixed to give transparent **powder** with viscosity 256 mPa.cntdot.s. Viscosity of the **powder** was slightly changed after 6 mo.

L11 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1997:803793 CAPLUS
DOCUMENT NUMBER: 128:39405
TITLE: Fine ultraviolet screening particles, process for preparing the same, and cosmetic preparation
INVENTOR(S): Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi
PATENT ASSIGNEE(S): Kao Corporation, Japan; Oshima, Kentaro; Kozaki, Shunji; Imaizumi, Yoshinobu; Miyake, Toshio; Tsuto, Keiichi; Yamaki, Kazuhiro; Sugawara, Satoshi
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9745097	A1	19971204	WO 1997-JP1788	19970527
W: AU, CN, JP, US, VN				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9727933	A1	19980105	AU 1997-27933	19970527
CN 1226157	A	19990818	CN 1997-196847	19970527
EP 953336	A1	19991103	EP 1997-922194	19970527
R: DE, FR, GB				
JP 3391802	B2	20030331	JP 1997-542023	19970527
US 6197282	B1	20010306	US 1998-194199	19981120

PRIORITY APPLN. INFO.: JP 1996-160541 A 19960530
WO 1997-JP1788 W 19970527

AB The invention relates to a process for prepg. a dispersion of fine UV screening **particle**, characterized by conducting milling and/or high-pressure dispersion of a mixed starting soln. comprising at least one type of inorg. particles having an UV screening capability, at least one **silicone** dispersant selected among modified and reactive silicones, and a **silicone** oil; fine UV screening particles prepd. by the above process or a dispersion thereof; a process for prepg. a **powder** of fine UV screening particles; and a cosmetic prepn. comprising a dispersion or **powder** of fine UV screening particles. The above dispersion is characterized by comprising fine UV screening particles comprising at least one type of inorg. particles having an UV screening capability, the surfaces of the particles being coated with at least one **silicone** dispersant selected among modified and reactive silicones, and at least part of the particles being dispersed in a **silicone** oil in the form of an agglomerate thereof.

L11 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:494492 CAPLUS
DOCUMENT NUMBER: 115:94492
TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings
INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezdei, Magdolna
PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.
SOURCE: Hung. Teljes, 12 pp.
CODEN: HUXXBU
DOCUMENT TYPE: Patent
LANGUAGE: Hungarian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO2, or other oxides) 14-50, filler (e.g., CaCO3 or milled dolamite) 30-70, inorg. or org. acid or anhydride or acetic NH4 salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)3, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical **powder** contained K Me **silicone**-contg. K silicate (**silicone** content 12.5%) 17.7, lithopone 45.3, CaCO3 32.2, phthalic acid 1.5, and Al(OH)3 3.3%.

=> d his

(FILE 'HOME' ENTERED AT 14:10:37 ON 12 MAY 2003)

FILE 'CAPLUS' ENTERED AT 14:10:45 ON 12 MAY 2003
L1 0 S ZINC IXIDE
L2 67132 S ZINC OXIDE

```
L3            2 S L2 AND MICRO PARTICLE
L4         4435 S L2 AND PARTICLE
L5            0 S L4 AND SILICILIC ANHYDRIDE
L6          187 S L4 AND SILICONE
L7            0 S L6 AND SILICIC ANHYDRIDE
L8           57 S L6 AND POWDER
L9      2020108 S L8 AND OIL OR WATER
L10           0 S L8 AND DISPERSING AGEMT?
L11           3 S L8 AND DISPERSING AGENT?

=> s l4 and silicone
         84132 SILICONE
L12        187 L4 AND SILICONE

=> s l12 and dispersing agent
         49224 DISPERSING
        640474 AGENT
         10722 DISPERSING AGENT
                 (DISPERSING(W)AGENT)
L13          7 L12 AND DISPERSING AGENT

=> d l13 1-7 ibib hitstr abs

L13  ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2003 ACS
ACCESSION NUMBER:        2002:237895  CAPLUS
DOCUMENT NUMBER:         136:266902
TITLE:                   Manufacture of borosilicate granulate for the
                         preparation of vitreous or vitro-crystalline articles
INVENTOR(S):             Del Rio Soto, Jose Luis
PATENT ASSIGNEE(S):      Esmalglass, S. A., Spain
SOURCE:                  Eur. Pat. Appl., 7 pp.
                         CODEN: EPXXDW
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE          APPLICATION NO.  DATE
     ---------------   ----  --------      ---------------  --------
     EP 1190993         A2   20020327      EP 2000-500226   20001102
     EP 1190993         A3   20020403
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO
     ES 2170009         A1   20020716      ES 2000-2283     20000921
     WO 2002024606      A1   20020328      WO 2001-ES354    20010919
         W:  AU, BR, CA, CN, CO, EC, ID, JP, MX, PL, RU, TR, US
     AU 2001089955      A5   20020402      AU 2001-89955    20010919
PRIORITY APPLN. INFO.:                    ES 2000-2283     A  20000921
                                          WO 2001-ES354    W  20010919
AB   Base material for the manufg. of baked vitreous or vitro-cryst. pieces is
     a granulated material with granules having a particle size diam.
     of .ltoreq.2000 .mu.m, and comprises 60-99.89 wt.% of a first component
     selected among a frit compn., an enamel compn., glass, or mixts. thereof,
     0.1-5 wt.% of an org. binder an (esp. acrylic acid ester copolymer) that
     has a decompn. temp. lower than the end of sintering temp. of the base
     material, 0.01-20 wt.% of a dispersing agent, and
     0.01-15 wt.% of a dye.  A humidity content of formed granules is
```

.ltoreq.3%. The binder is selected from synthetic plastic aq. dispersions of vinyl polymers, acrylic and/or styrene polymers and derivs. thereof, synthetic resins, natural resins, polysaccharides, polyvinyl alcs., waxes, polyethylene glycols, polypropylene glycols, silicones or **silicone** derivs., alkyl resins, cellulose derivs., and combinations thereof. The manuf. includes (a) prepg. a first mixt. by mixing the frit, enamel, and glass components, (b)adding the binder, (c) wet grinding, and (d) granulating.

L13 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:94456 CAPLUS
DOCUMENT NUMBER: 136:136373
TITLE: Transparent polysiloxane topcoat compositions containing inorganic UV absorber and having high durability
INVENTOR(S): Fukiage, Masahiro
PATENT ASSIGNEE(S): Matsushita Electric Works, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002036442	A2	20020205	JP 2000-220552	20000721

PRIORITY APPLN. INFO.: JP 2000-220552 20000721

AB The title compns., useful for roof tile, exterior wall or interior wall coating, contain transparent polysiloxane, e.g., **silicone** resin from hydrolytic polymn. of organosilanes or epoxy or acrylic-modified polysiloxane, and inorg. UV absorber having **particle** size 0.01-0.5 .mu.m, e.g, **zinc oxide**.

L13 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:468049 CAPLUS
DOCUMENT NUMBER: 133:94299
TITLE: Dispersions containing **zinc oxide** ultrafine particles and **silicone** oils for UV-shielding cosmetics, and manufacture thereof
INVENTOR(S): Kono, Kinuyo
PATENT ASSIGNEE(S): Hakusui Chem Industry, Ltd., Japan; Ginas K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000191490	A2	20000711	JP 1999-181457	19990628

PRIORITY APPLN. INFO.: JP 1998-302827 A 19981023

AB The invention relates to a dispersion contg. **zinc oxide** ultrafine particles having an av. **particle** size of 0.001-0.2 .mu.m, **dispersing agent**, and **silicone** oil as dispersion medium, providing good and stable dispersibility, suitable for

use in a UV-shielding cosmetic. A dispersion was prepd. from **zinc oxide particle** 45 Me hydrogen polysiloxane 4, polyoxyethylene-methylpolysiloxane **dispersing agent** 7, decamethylcyclopentasiloxane dispersion medium 44 %, and combined with other ingredients to obtain a sunscreen cream.

L13 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2000:468048 CAPLUS
DOCUMENT NUMBER: 133:94298
TITLE: Manufacture of dispersions containing **zinc oxide** ultrafine particles and **silicone** oils for UV-shielding cosmetics
INVENTOR(S): Kono, Kinuyo
PATENT ASSIGNEE(S): Hakusui Chem Industry, Ltd., Japan; Ginas K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000191489	A2	20000711	JP 1998-373571	19981228

PRIORITY APPLN. INFO.: JP 1998-373571 19981228
AB The invention relates to a process for making a dispersion contg. **zinc oxide** ultrafine particles, surface prepn. agent, **dispersing agent**, and **silicone** oil as dispersion medium, providing good and stable dispersibility, suitable for use in a UV-shielding cosmetic, wherein the process includes wet-type jet milling of the mixt. of **zinc oxide** particles and **silicone** oil at 61-250 MPa and/or 180-350 m/s. A dispersion was prepd. from **zinc oxide particle** 45, Me hydrogen polysiloxane surface prepn. agent 4, polyoxyethylene-methylpolysiloxane **dispersing agent** 7, decamethylcyclopentasiloxane dispersion medium 44 %.

L13 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1996:520534 CAPLUS
DOCUMENT NUMBER: 125:144863
TITLE: Manufacture of semiconductive **silicone** rubber rolls with stable electric resistance in semiconductive areas
INVENTOR(S): Nakamura, Tsutomu; Hirabayashi, Sadao
PATENT ASSIGNEE(S): Shinetsu Chem Ind Co, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08157724	A2	19960618	JP 1994-331175	19941208

PRIORITY APPLN. INFO.: JP 1994-331175 19941208
AB The title manuf. contain formation of roll-shaped semiconductive

silicone layers by compression molding and vulcanizing compns. contg. (A) organopolysiloxanes RSiO(4-n)/2 [R = same or different (substituted) monovalent hydrocarbon; n = 1.98-2.02] 100, (B) elec. conductors 3-300, (C) **silicone** elastomer microspheres with av. **particle** diam. 0.1-100 .mu.m 5-200, and (D) hardeners 0.1-5 parts on metallic cores at inner pressure .ltoreq.70 kg/cm2. Thus, a siloxane comprising units of SiMe2O 99.825, methylvinylsiloxane 0.15, and dimethylvinylsiloxane 0.025 mol.% 100, diphenylsilanediol (**dispersing agent**) 3, silanol-terminated dimethylpolysiloxane with d.p. 10 (**dispersing agent**) 4, and SiO2 30 parts were kneaded at 150.degree. to give a base compd., 100 parts of which was blended with acetylene black 12, X 52-874 (**silicone** elastomer microsphere) 50, and dicumyl peroxide 0.5 part, compression molded at inner pressure 10 kg/cm2 to give a roll with diam. 20 mm, and primary and secondary vulcanized at 200.degree., resp., to give a product with elec. resistance 5 .times. 105 - 1 .times. 106 .OMEGA..

L13 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1991:494492 CAPLUS
DOCUMENT NUMBER: 115:94492
TITLE: Single-package pigment powders containing alkali silicate binder for water-thinned exterior coatings
INVENTOR(S): Kiraly, Laszlo; Gonczi, Maria; Erdi, Peter; Lang, Andras; Tonk, Istvan; Hasznos Nezdei, Magdolna
PATENT ASSIGNEE(S): Kemikal Epitoanyagipari Vallalat, Hung.
SOURCE: Hung. Teljes, 12 pp.
CODEN: HUXXBU
DOCUMENT TYPE: Patent
LANGUAGE: Hungarian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
HU 53667	A2	19901128	HU 1989-1105	19890307
HU 203123	B	19910528		

PRIORITY APPLN. INFO.: HU 1989-1105 19890307

AB Powders for manuf. of water-thinned, exterior coatings contg. K silicate 12-20, alkali **silicone** 0-3, pigment (e.g., ZnS, TiO2, or other oxides) 14-50, filler (e.g., CaCO3 or milled dolamite) 30-70, inorg. or org. acid or anhydride or acetic NH4 salt (**particle** size 0.1-0.4 mm) 1-2, and optionally, a **dispersing agent** [e.g., Al(OH)3, Aerosil, Na bentonite, or zeolite] 1-3.3%. A typical powder contained K Me **silicone**-contg. K silicate (**silicone** content 12.5%) 17.7, lithopone 45.3, CaCO3 32.2, phthalic acid 1.5, and Al(OH)3 3.3%.

L13 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1980:410353 CAPLUS
DOCUMENT NUMBER: 93:10353
TITLE: **Zinc oxide** dispersions by decomposition of zinc carbonate
INVENTOR(S): Cheng, William J.; Guthrie, David B.
PATENT ASSIGNEE(S): Petrolite Corp., USA
SOURCE: U.S., 3 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent

09807750

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4193769	A	19800318	US 1978-953983	19781023

PRIORITY APPLN. INFO.: US 1978-953983 19781023

AB ZnCO3 is dispersed in a nonvolatile fluid contg. a sol. **dispersing agent** and the mixt. is heated to the ZnCO3-decompn. temp., 225-350.degree.. The **particle** size of the ZnO is .ltoreq.5 .mu.. The fluid is a mineral oil, paraffin oil, arom. oil, Ph2O fluids, **silicone** oil, polyglycol ether, or vegetable oil. The dispersant is a satd. or unsatd. fatty acid and derivs., sulfonic acids, etc. Thus, 23.3 g basic Zn carbonate was mixed at 190-200.degree. into a fluid contg. hydrocarbon oil 500 and naphthenic acids 128 g. The temp. was increased to 260-310.degree. and the pressure reduced slightly to remove the H2O. After cooling and centrifugation, there was only a trace of white solids at the bottom of the centrifuge tube.

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